

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/605,452C
Source: IFW316
Date Processed by STIC: 1/13/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/605,452C

TIME: 08:43:34

Input Set : A:\Nov05.ST25.txt

Output Set: N:\CRF4\01132006\J605452C.raw

3 <110> APPLICANT: Kerr, William G.
 4 Ninos, John M.
 6 <120> TITLE OF INVENTION: Novel SH2containing Inositol 5'-phosphatase Isoform That
 Partners
 7 With The Grb2 Adapter Protein
 9 <130> FILE REFERENCE: USF-211XT
 11 <140> CURRENT APPLICATION NUMBER: 10/605,452C
 12 <141> CURRENT FILING DATE: 2003-09-30
 14 <150> PRIOR APPLICATION NUMBER: 60/319,583
 15 <151> PRIOR FILING DATE: 2002-09-30
 17 <160> NUMBER OF SEQ ID NOS: 18
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 4125
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Mus musculus
 26 <400> SEQUENCE: 1
 28 Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
 29 1 5 10 15
 32 Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
 33 20 25 30
 36 Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
 37 35 40 45
 40 Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
 41 50 55 60
 44 Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
 45 65 70 75 80
 48 Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
 49 85 90 95
 52 Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
 53 100 105 110
 56 Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
 57 115 120 125
 60 Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
 61 130 135 140
 64 Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
 65 145 150 155 160
 68 Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Cys Thr Cys Ala Gly
 69 165 170 175
 72 Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
 73 180 185 190
 76 Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
 77 195 200 205
 80 Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr

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81      210      215      220
84 Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
85 225      230      235      240
88 Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
89      245      250      255
92 Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
93      260      265      270
96 Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly
97      275      280      285
100 Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
101      290      295      300
104 Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Ala Thr
105 305      310      315      320
108 Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
109      325      330      335
112 Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys
113      340      345      350
116 Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
117      355      360      365
120 Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
121      370      375      380
124 Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
125 385      390      395      400
128 Ala Cys Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
129      405      410      415
132 Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
133      420      425      430
136 Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
137      435      440      445
140 Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala
141      450      455      460
144 Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
145 465      470      475      480
148 Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
149      485      490      495
152 Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
153      500      505      510
156 Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
157      515      520      525
160 Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys
161      530      535      540
164 Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala
165 545      550      555      560
168 Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala
169      565      570      575
172 Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala
173      580      585      590
176 Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys
177      595      600      605

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180 Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr
181      610      615      620
184 Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala
185 625      630      635      640
188 Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
189      645      650      655
192 Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly
193      660      665      670
196 Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Gly Ala Cys Gly
197      675      680      685
200 Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
201      690      695      700
204 Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
205 705      710      715      720
208 Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
209      725      730      735
212 Ala Gly Gly Ala Thr Cys Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
213      740      745      750
216 Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
217      755      760      765
220 Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
221      770      775      780
224 Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
225 785      790      795      800
228 Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Cys Ala
229      805      810      815
232 Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
233      820      825      830
236 Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
237      835      840      845
240 Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
241      850      855      860
244 Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
245 865      870      875      880
248 Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
249      885      890      895
252 Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
253      900      905      910
256 Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
257      915      920      925
260 Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
261      930      935      940
264 Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
265 945      950      955      960
268 Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
269      965      970      975
272 Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Gly Thr Thr Cys Gly Thr
273      980      985      990
276 Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr

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277	995	1000	1005
280 Thr Cys	Thr Gly Gly Ala Ala	Gly Cys Gly Ala Ala	Ala Ala Ala
281 1010		1015	1020
284 Ala Ala	Gly Cys Thr Cys Ala	Gly Gly Ala Gly Ala	Ala Ala Thr
285 1025		1030	1035
288 Cys Ala	Ala Ala Ala Cys Thr	Ala Thr Ala Thr Gly	Ala Ala Cys
289 1040		1045	1050
292 Ala Thr	Cys Cys Thr Gly Cys	Gly Gly Thr Thr Cys	Cys Thr Gly
293 1055		1060	1065
296 Gly Cys	Cys Cys Thr Gly Gly	Gly Ala Gly Ala Cys	Ala Ala Gly
297 1070		1075	1080
300 Ala Ala	Gly Cys Thr Ala Ala	Gly Cys Cys Cys Ala	Thr Thr Thr
301 1085		1090	1095
304 Ala Ala	Cys Ala Thr Cys Ala	Cys Cys Cys Ala Cys	Cys Gly Cys
305 1100		1105	1110
308 Thr Thr	Cys Ala Cys Cys Cys	Ala Cys Cys Thr Cys	Thr Thr Cys
309 1115		1120	1125
312 Thr Gly	Gly Cys Thr Thr Gly	Gly Gly Gly Ala Thr	Cys Thr Cys
313 1130		1135	1140
316 Ala Ala	Cys Thr Ala Cys Cys	Gly Cys Gly Thr Gly	Gly Ala Gly
317 1145		1150	1155
320 Cys Thr	Gly Cys Cys Cys Ala	Cys Thr Thr Gly Gly	Gly Ala Gly
321 1160		1165	1170
324 Gly Cys	Ala Gly Ala Gly Gly	Cys Cys Ala Thr Cys	Ala Thr Cys
325 1175		1180	1185
328 Cys Ala	Gly Ala Ala Gly Ala	Thr Cys Ala Ala Gly	Cys Ala Ala
329 1190		1195	1200
332 Cys Ala	Gly Cys Ala Gly Thr	Ala Thr Thr Cys Ala	Gly Ala Cys
333 1205		1210	1215
336 Cys Thr	Thr Cys Thr Gly Gly	Cys Cys Cys Ala Cys	Gly Ala Cys
337 1220		1225	1230
340 Cys Ala	Ala Cys Thr Gly Cys	Thr Cys Cys Thr Gly	Gly Ala Gly
341 1235		1240	1245
344 Ala Gly	Gly Ala Ala Gly Gly	Ala Cys Cys Ala Gly	Ala Ala Gly
345 1250		1255	1260
348 Gly Thr	Cys Thr Thr Cys Cys	Thr Gly Cys Ala Cys	Thr Thr Thr
349 1265		1270	1275
352 Gly Ala	Gly Gly Ala Gly Gly	Ala Ala Gly Ala Gly	Ala Thr Cys
353 1280		1285	1290
356 Ala Cys	Cys Thr Thr Cys Gly	Cys Cys Cys Cys Cys	Ala Cys Cys
357 1295		1300	1305
360 Thr Ala	Thr Cys Gly Ala Thr	Thr Thr Gly Ala Ala	Ala Gly Ala
361 1310		1315	1320
364 Cys Thr	Gly Ala Cys Cys Cys	Gly Gly Gly Ala Cys	Ala Ala Gly
365 1325		1330	1335
368 Thr Ala	Thr Gly Cys Ala Thr	Ala Cys Ala Cys Gly	Ala Ala Gly
369 1340		1345	1350
372 Cys Ala	Gly Ala Ala Ala Gly	Cys Ala Ala Cys Ala	Gly Gly Gly
373 1355		1360	1365

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```

376 Ala Thr Gly Ala Ala Gly Thr Ala Cys Ala Ala Cys Thr Thr Gly
377      1370      1375      1380
380 Cys Cys Gly Thr Cys Cys Thr Gly Gly Thr Gly Cys Gly Ala Cys
381      1385      1390      1395
384 Cys Gly Ala Gly Thr Cys Cys Thr Cys Thr Gly Gly Ala Ala Gly
385      1400      1405      1410
388 Thr Cys Thr Thr Ala Cys Cys Cys Gly Cys Thr Gly Gly Thr Gly
389      1415      1420      1425
392 Cys Ala Thr Gly Thr Gly Gly Thr Cys Thr Gly Thr Cys Ala Gly
393      1430      1435      1440
396 Thr Cys Cys Thr Ala Thr Gly Gly Cys Ala Gly Thr Ala Cys Cys
397      1445      1450      1455
400 Ala Gly Thr Gly Ala Cys Ala Thr Cys Ala Thr Gly Ala Cys Gly
401      1460      1465      1470
404 Ala Gly Thr Gly Ala Cys Cys Ala Cys Ala Gly Cys Cys Cys Thr
405      1475      1480      1485
408 Gly Thr Cys Thr Thr Thr Gly Cys Cys Ala Cys Gly Thr Thr Thr
409      1490      1495      1500
412 Gly Ala Ala Gly Cys Gly Gly Gly Ala Gly Thr Cys Ala Cys Ala
413      1505      1510      1515
416 Thr Cys Thr Cys Ala Ala Thr Thr Cys Gly Thr Cys Thr Cys Cys
417      1520      1525      1530
420 Ala Ala Gly Ala Ala Thr Gly Gly Thr Cys Cys Thr Gly Gly Cys
421      1535      1540      1545
424 Ala Cys Thr Gly Thr Ala Gly Ala Thr Ala Gly Cys Cys Ala Ala
425      1550      1555      1560
428 Gly Gly Gly Cys Ala Gly Ala Thr Cys Gly Ala Gly Thr Thr Thr
429      1565      1570      1575
432 Cys Thr Thr Gly Cys Ala Thr Gly Cys Thr Ala Cys Gly Cys Cys
433      1580      1585      1590
436 Ala Cys Ala Cys Thr Gly Ala Ala Gly Ala Cys Cys Ala Ala Gly
437      1595      1600      1605
440 Thr Cys Cys Cys Ala Gly Ala Cys Thr Ala Ala Gly Thr Thr Cys
441      1610      1615      1620
444 Thr Ala Cys Thr Thr Gly Gly Ala Gly Thr Thr Cys Cys Ala Cys
445      1625      1630      1635
448 Thr Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr Ala Gly Ala Gly
449      1640      1645      1650
452 Ala Gly Thr Thr Thr Thr Gly Thr Cys Ala Ala Gly Ala Gly Thr
453      1655      1660      1665
456 Cys Ala Gly Gly Ala Ala Gly Gly Ala Gly Ala Gly Ala Ala Thr
457      1670      1675      1680
460 Gly Ala Ala Gly Ala Gly Gly Gly Ala Ala Gly Thr Gly Ala Ala
461      1685      1690      1695
464 Gly Gly Ala Gly Ala Gly Cys Thr Gly Gly Thr Gly Gly Thr Ala
465      1700      1705      1710
468 Cys Gly Gly Thr Thr Thr Gly Gly Ala Gly Ala Gly Ala Cys Thr
469      1715      1720      1725
472 Cys Thr Thr Cys Cys Cys Ala Ala Gly Cys Thr Ala Ala Ala Gly

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VERIFICATION SUMMARY

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